LUCA COLOMBO

STUDENT

PERSONAL PROFILE

I'm an engineering student with a special interest towards hardware and firmware design for microcontroller-based systems and subsequent data analysis. I'm always searching for new ideas and projects, and ready to challenge myself. Currently I'm developing a device for transcoutaneous CO_2 measurement.

KNOWLEDGE AND SKILLS

- PCB prototyping
- Eagle Autodesk
- Arduino
- Embedded systems
- C programming language
- Neurorobotic Platform development
- Matlab
- Fusion 360

CONTACTS

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Date of birth: 25/02/1998

Milano, Italia.

EDUCATION

Politecnico di Milano

2020 - Master's degree in bioengineering, specialization in Electronic Technologies
Current average: 29.45

Projects developed:
- Replicating a decision-making network in virtual closed-loop protocol, 2021
- Virtual motion analysis, 2021
- Breath detection using FSR (Force Sensing Resistor), 2020
- Classification and regression data analysis, Machine Learning, 2020

2017-20 - Bachelor's degree in bioengineering.
Score: 110L

Thesis:
Protocol for the creation of polimeric models used for training in transcatheter surgery, 2020

Projects developed:
- Development of a stenting technique for the esophagus, 2020

Liceo scientifico Marie Curie

2017 - High school diploma, scientific studies.
Score: 95/100

WORKING EXPERIENCE

Until now I've been focused on achiving the best possible result in completing my academic career. However, I've still been capable of mantaining a competitive career in cross country. I've also kept side-jobs to help my academic career, like guiding other students through their school career and performing deliveries for restaurants.

PRIZES AND RESULTS

Prize 'Migliori Matricole a.a. 2017-18'

Politecnico di Milano (2017)

2° Place Italian skiroll championship

Rapy (AO), 2015

LANGUAGES

ITALIAN, native language
ENGLISH, level B2 - First Certificate, Cambridge University (2016)